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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/015,870	12/12/2001	Nisha Shukla	011083	2595
23464 7	7590 09/10/2003			
BUCHANAN INGERSOLL, P.C. ONE OXFORD CENTRE, 301 GRANT STREET 20TH FLOOR			EXAMINER	
			RESAN, STEVAN A	
PITTSBURGH, PA 15219			ART UNIT	PAPER NUMBER
			1773	7_
		,	DATE MAILED: 09/10/2003	T

Please find below and/or attached an Office communication concerning this application or proceeding.

		<b>一</b>
	Application No.	Applicant(s)
	10/015,870	SHUKLA ET AL.
Office Action Summary	Examiner	Art Unit
	Stevan A. Resan	1773
The MAILING DATE of this communication Period for Reply	appears on the cover s	sheet with the correspondence address
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO  - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication  - If the period for reply specified above is less than thirty (30) days, a  - If NO period for reply is specified above, the maximum statutory pe  - Failure to reply within the set or extended period for reply will, by st  - Any reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).  Status	N. R 1.136(a). In no event, howevent. In reply within the statutory miniming riod will apply and will expire Statute, cause the application to be	er, may a reply be timely filed  num of thirty (30) days will be considered timely.  X (6) MONTHS from the mailing date of this communication.  secome ABANDONED (35 U.S.C. § 133).
1) Responsive to communication(s) filed on	25 June 2003 .	•
<u> </u>	This action is non-fin	al. ·
<u>,                                     </u>	lowance except for fon	mal matters, prosecution as to the merits is
Disposition of Claims 23		·
4) Claim(s) <u>1,3-5,7-9,11-14,16,17 and 19-21</u>	is/are pending in the	pplication.
4a) Of the above claim(s) is/are with	drawn from considerat	ion.
5) Claim(s) is/are allowed.	·	
6) Claim(s) <u>1,3-5,7-9,11-14,16,17 and 19-21</u> i	s/are rejected.	
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction ar	nd/or election requirem	ent.
Application Papers		
9)☐ The specification is objected to by the Exam	niner.	
10) The drawing(s) filed on is/are: a) a		
Applicant may not request that any objection t	• , ,	, ,
11)☐ The proposed drawing correction filed on		
If approved, corrected drawings are required in	• •	on.
12) The oath or declaration is objected to by the	e Examiner.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for for	eign priority under 35	U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority docum	ents have been receiv	ved.
2. Certified copies of the priority docum	ents have been receiv	red in Application No
3. Copies of the certified copies of the papplication from the International  * See the attached detailed Office action for a	Bureau (PCT Rule 17	
14) ☐ Acknowledgment is made of a claim for dom	estic priority under 35	U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language 15)☐ Acknowledgment is made of a claim for dom	• • •	
Attachment(s)		
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449) Paper Not</li> </ol>	5) 🔲 1	nterview Summary (PTO-413) Paper No(s) Notice of Informal Patent Application (PTO-152) Other:
J.S. Patent and Trademark Office PTO-326 (Rev. 04-01) Office	e Action Summary	Part of Paper No. 7



Art Unit: 1773

- 1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 2. Claims 1,3,5,7,8,10,11,13,14,16,17,19,20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Frew et al US 5143787 in view of what is taught as prior art by C. Donnet, Surface and Coatings Technology 100-101 pp 180-186 1998, (Donnet).

Frew et al disclosed the invention as claimed in the previous version of claims 1,3,5-8,10,11,13,16-20. Frew did not disclose that the carbon containing layer comprises an F doped carbon layer as newly amended.

However Donnet teaches F doped carbon (Topic 4 pg 183). Donnet teaches that the addition of Fluorine to the carbon has been shown to lower friction and when combined with Si (a-C:F:Si:H) has been shown to extend the lubricating life.

Therefore it would have been obvious to one of ordinary skill in the art to add F and/or (F and Si) to the carbon layer of Frew motivated by the desire to lower friction and extend lubricating life.

- 3. Claims 4, 9, 12, 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Frew et al in view of Donnet as applied to claims 1, 11 above in view of Johary US 5,049,410 for the reasons of record.
- 4. Applicant's arguments filed 25 June 2003 have been fully considered but they are moot in view of the new grounds of rejection.
- 5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stevan A. Resan whose telephone number is (703) 308-4287. The examiner can normally be reached on Tues-Fri from 7:30AM to 6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Thibodeau, can be reached on (703) \*308-2367. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-7718

STEVAN A. REŠAN PRIMARY EXAMINER